

## CLAIMS

What is claimed is:

1. A method for network communication of sensor devices on a network comprising the steps of:
  - 5 connecting a sensor device to a first network;
  - connecting an aggregating device to the first network; and
  - transmitting sensor information from the sensor device to the aggregating device.
- 10 2. The method of Claim 1 wherein the sensor information is transmitted using the Session Initiation Protocol (SIP).
3. The method of Claim 2 wherein the sensor device is an SIP user agent.
- 15 4. The method of Claim 2 wherein the aggregating device is an SIP server.
5. The method of Claim 1 wherein the sensor device is a physiology sensor device.
- 20 6. The method of Claim 1 further comprising:
  - connecting a second sensor device to the first network; and
  - transmitting sensor information from the second sensor device to the aggregating device.
- 25 7. The method of Claim 6 wherein the sensor devices are heterogeneous.
8. The method of Claim 1 further comprising connecting the aggregating device to a second network.
- 30 9. A method for network communication of sensor devices on a network comprising the steps of:
  - connecting a sensor device to an aggregating device;

connecting the aggregating device to the network; and  
transmitting sensor information from the sensor device to the  
aggregating device.

- 5     10.     The method of Claim 9 wherein the sensor information is transmitted using  
the Session Initiation Protocol (SIP).
11.     The method of Claim 10 wherein the sensor device is an SIP user agent.
- 10    12.     The method of Claim 10 wherein the aggregating device is an SIP server.
13.     The method of Claim 9 wherein the sensor device is a physiology sensor  
device.
- 15    14.     The method of Claim 9 further comprising:  
connecting a second sensor device to the network; and  
transmitting sensor information from the second sensor device to the  
aggregating device.
- 20    15.     The method of Claim 14 wherein the sensor devices are heterogeneous.
16.     A system for network communication of sensor devices on a network  
comprising:  
an aggregating device connected to the network; and  
25       means for connecting one or more sensor devices to the network such  
that respective sensor information is transmitted from each sensor device to  
the aggregating device.
17.     The system of Claim 16 wherein the sensor information is transmitted using  
30       the Session Initiation Protocol (SIP).

18. The system of Claim 17 wherein each sensor device is a SIP user agents and the aggregating device is an SIP server.
19. The system of Claim 16 wherein at least one of the sensor devices is a  
5 physiology sensor device.